

TRC

Customer-Focused Solutions

October 20, 2005

Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, Ca 95670

ATTN: MR. JAN WAGONER

SITE: 76 STATION 5105
1950 GUERNEVILLE ROAD
SANTA ROSA, CALIFORNIA

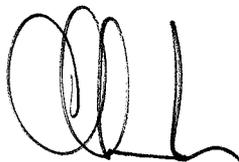
RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2005

This Quarterly Monitoring Report for 76 Station 5105 is being sent to you for your review and comment. If no comments are received by **October 27, 2005**, copies of this report will be sent to you for distribution.

Please send all comments to me at cherrera@trcsolutions.com. If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC



Christina Carrillo
Technical Writer



Customer-Focused Solutions

October 20, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: 76 STATION 5105
1950 GUERNEVILLE ROAD
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for 76 Station 5105, located at 1950 Guerneville Road, Santa Rosa, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Jan Wagoner, Delta Environmental, Inc. (2 copies)

Enclosures:
20-0400/5105R03.QMS



Customer-Focused Solutions

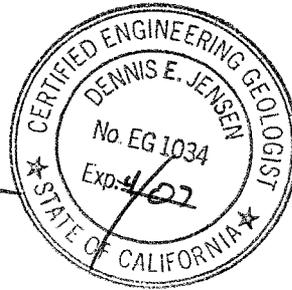
**QUARTERLY MONITORING REPORT
JULY THROUGH SEPTEMBER 2005**

76 Station 5105
1950 Guerneville Road
Santa Rosa, California

Prepared For:

Mr. Thomas Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations
October 18, 2005

LIST OF ATTACHMENTS

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Figures	<p>Figure 1: Vicinity Map</p> <p>Figure 2: Groundwater Elevation Contour Map</p> <p>Figure 3: Dissolved-Phase TPH Concentration Map</p> <p>Figure 4: Dissolved-Phase Benzene Concentration Map</p> <p>Figure 5: Dissolved-Phase MTBE Concentration Map</p>
Graphs	<p>Groundwater Elevations vs. Time</p> <p>Benzene Concentrations vs. Time</p>
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Summary of Gauging and Sampling Activities
July 2005 through September 2005
76 Station 5105
1950 Guerneville Road
Santa Rosa, CA

Project Coordinator: **Thomas Kosel**
Telephone: **916-558-7666**

Water Sampling Contractor: **TRC**
Compiled by: **Christina Carrillo**

Date(s) of Gauging/Sampling Event: **09/26/05**

Sample Points

Groundwater wells: **9** onsite, **0** offsite Wells gauged: **9** Wells sampled: **9**
Purging method: **Diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **12.75 feet** Maximum: **16.03 feet**
Average groundwater elevation (relative to available local datum): **108.07 feet**
Average change in groundwater elevation since previous event: **-3.07 feet**
Interpreted groundwater gradient and flow direction:
 Current event: **0.01 ft/ft, southwest**
 Previous event: ***see notes below (06/07/05)**

Selected Laboratory Results

Wells with detected **Benzene**: **0** Wells above MCL (1.0 µg/l): **n/a**
 Maximum reported benzene concentration: **n/a**

Wells with **TPH-G** **0**

Wells with **MTBE** **6** Maximum: **3,100 µg/l (MW-12)**

Notes:

*=Previous event had only 2 sample points.

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND <	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: $\text{Surface Elevation} - \text{Measured Depth to Water} + (\text{Dp} \times \text{LPH Thickness})$, where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.

REFERENCE

TRC began groundwater monitoring and sampling 76 Station 5105 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
September 26, 2005
76 Station 5105

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1														
9/26/2005	122.73	15.32	0.00	107.41	-2.41	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	500	
				(Screen Interval in feet: 12.0-30.0)										
MW-3														
9/26/2005	121.75	13.12	0.00	108.63	-3.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.5	
				(Screen Interval in feet: 9.0-25.0)										
MW-6														
9/26/2005	124.02	16.03	0.00	107.99	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
				(Screen Interval in feet: 11.04-25.24)										
MW-7														
9/26/2005	121.46	12.75	0.00	108.71	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
				(Screen Interval in feet: 12.04-25.33)										
MW-8														
9/26/2005	122.16	15.49	0.00	106.67	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
				(Screen Interval in feet: 12.36-25.20)										
MW-9														
9/26/2005	123.59	15.89	0.00	107.70	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
				(Screen Interval in feet: 12.72-25.27)										
MW-10														
9/26/2005	123.55	15.33	0.00	108.22	--	--	420	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	960	
				(Screen Interval in feet: 11.98-24.10)										
MW-11														
9/26/2005	123.14	14.91	0.00	108.23	--	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	85	
				(Screen Interval in feet: 8.12-25.14)										
MW-12														
9/26/2005	122.34	13.24	0.00	109.10	--	--	1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3100	
				(Screen Interval in feet: 8.08-24.90)										

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through September 2005

76 Station 5105

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 (Screen Interval in feet: 12.0-30.0)														
5/25/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
10/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
1/10/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
4/8/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
7/2/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
10/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
1/6/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
4/1/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	--
7/2/1993	123.02	15.70	0.00	107.32	--	ND	--	ND	ND	ND	ND	--	--	--
10/4/1993	122.71	16.71	0.00	106.00	-1.32	ND	--	ND	ND	ND	ND	--	--	--
1/27/1994	122.73	13.39	0.00	109.34	3.34	--	--	--	--	--	--	--	--	--
4/28/1994	122.73	13.87	0.00	108.86	-0.48	130	--	ND	ND	ND	ND	--	--	--
10/19/1994	122.73	16.65	0.00	106.08	-2.78	560	--	ND	ND	ND	ND	--	--	--
4/17/1995	122.73	12.50	0.00	110.23	4.15	ND	--	ND	ND	ND	ND	--	--	--
10/12/1995	122.73	16.84	0.00	105.89	-4.34	ND	--	ND	ND	ND	ND	--	--	--
4/8/1996	122.73	11.97	0.00	110.76	4.87	ND	--	ND	ND	ND	ND	--	--	--
10/29/1996	122.73	15.16	0.00	107.57	-3.19	--	--	--	--	--	--	590	--	--
4/25/1997	122.73	12.82	0.00	109.91	2.34	--	--	--	--	--	--	270	--	--
4/13/1998	122.73	11.65	0.00	111.08	1.17	--	--	--	--	--	--	5.8	--	--
8/31/1998	122.73	14.68	0.00	108.05	-3.03	ND	--	ND	ND	ND	ND	448	451	--
4/5/1999	122.73	11.59	0.00	111.14	3.09	ND	--	ND	ND	ND	ND	390	360	--
3/31/2000	122.73	12.30	0.00	110.43	-0.71	ND	--	ND	ND	ND	ND	480	540	--
4/6/2001	122.73	12.44	0.00	110.29	-0.14	ND	--	ND	ND	ND	ND	635	880	--
4/22/2002	122.73	11.98	0.00	110.75	0.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	26	--

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 1991 Through September 2005
76 Station 5105

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-1 continued														
4/11/2003	122.73	12.91	0.00	109.82	-0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	7.2	
5/12/2004	122.73	13.35	0.00	109.38	-0.44	750	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	790	1000	
6/7/2005	122.73	12.91	0.00	109.82	0.44	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	660	570	
9/26/2005	122.73	15.32	0.00	107.41	-2.41	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	500	
MW-2 (Screen Interval in feet: DNA)														
5/25/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/10/1992	--	--	--	--	--	100	--	ND	ND	ND	ND	--	--	
4/8/1992	--	--	--	--	--	140	--	ND	ND	ND	ND	460	--	
7/2/1992	--	--	--	--	--	120	--	ND	ND	ND	ND	240	--	
10/6/1992	--	--	--	--	--	59	--	ND	ND	ND	ND	100	--	
1/6/1993	--	--	--	--	--	120	--	ND	ND	ND	ND	240	--	
4/1/1993	--	--	--	--	--	150	--	ND	ND	ND	ND	270	--	
7/2/1993	121.89	13.76	0.00	108.13	--	82	--	ND	ND	ND	ND	200	--	
10/4/1993	121.47	14.75	0.00	106.72	-1.41	ND	--	ND	ND	ND	ND	81	--	
1/27/1994	121.49	12.53	0.00	108.96	2.24	--	--	--	--	--	--	--	--	
4/28/1994	121.49	12.54	0.00	108.95	-0.01	120	--	ND	ND	ND	0.62	290	--	
10/19/1994	121.49	15.10	0.00	106.39	-2.56	170	--	0.79	ND	0.53	ND	98	--	
4/17/1995	121.49	10.92	0.00	110.57	4.18	ND	--	ND	ND	ND	ND	56	--	
MW-3 (Screen Interval in feet: 9.0-25.0)														
5/25/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
1/10/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/8/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 1991 Through September 2005
76 Station 5105

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-3 continued														
7/2/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/6/1992	--	--	--	--	--	ND	--	1.4	ND	ND	ND	--	--	
1/6/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/1/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/2/1993	121.98	11.98	0.00	110.00	--	ND	--	ND	ND	ND	ND	--	--	
10/4/1993	121.73	13.01	0.00	108.72	-1.28	ND	--	ND	ND	ND	ND	--	--	
1/27/1994	121.75	10.86	0.00	110.89	2.17	--	--	--	--	--	--	--	--	
4/28/1994	121.75	10.56	0.00	111.19	0.30	ND	--	ND	ND	ND	ND	--	--	
10/19/1994	121.75	14.73	0.00	107.02	-4.17	--	--	--	--	--	--	--	--	
4/17/1995	121.75	8.40	0.00	113.35	6.33	ND	--	ND	ND	ND	ND	--	--	
10/12/1995	121.75	14.61	0.00	107.14	-6.21	--	--	--	--	--	--	--	--	
4/8/1996	121.75	8.38	0.00	113.37	6.23	ND	--	ND	ND	ND	ND	--	--	
10/29/1996	121.75	12.92	0.00	108.83	-4.54	--	--	--	--	--	--	--	--	
4/25/1997	121.75	9.64	0.00	112.11	3.28	--	--	--	--	--	--	ND	--	
4/13/1998	121.75	8.38	0.00	113.37	1.26	--	--	--	--	--	--	14	--	
8/31/1998	121.75	11.96	0.00	109.79	-3.58	ND	--	ND	ND	ND	ND	2.73	2.66	
4/5/1999	121.75	8.38	0.00	113.37	3.58	ND	--	ND	ND	ND	ND	7.6	5.2	
3/31/2000	121.75	9.00	0.00	112.75	-0.62	ND	--	ND	ND	ND	ND	8.9	8.5	
4/6/2001	121.75	9.23	0.00	112.52	-0.23	ND	--	ND	ND	ND	ND	7.75	7.8	
4/22/2002	121.75	8.74	0.00	113.01	0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	7.6	
4/11/2003	121.75	9.61	0.00	112.14	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.0	5.1	
5/12/2004	121.75	10.09	0.00	111.66	-0.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	3.9	
6/7/2005	121.75	9.39	0.00	112.36	0.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	2.8	
9/26/2005	121.75	13.12	0.00	108.63	-3.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.5	Sampled Annually

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through September 2005

76 Station 5105

Date Sampled	IOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 (Screen Interval in feet: DNA)														
4/8/1992	--	--	--	--	--	110	--	ND	ND	ND	ND	--	--	
7/2/1992	--	--	--	--	--	240	--	ND	ND	ND	ND	930	--	
10/6/1992	--	--	--	--	--	130	--	ND	ND	ND	ND	320	--	
1/6/1993	--	--	--	--	--	120	--	ND	ND	ND	ND	400	--	
4/1/1993	--	--	--	--	--	210	--	ND	ND	ND	2.8	360	--	
7/2/1993	121.77	13.52	0.00	108.25	--	210	--	ND	ND	ND	ND	350	--	
10/4/1993	121.49	14.51	0.00	106.98	-1.27	ND	--	ND	ND	ND	ND	25	--	
1/27/1994	121.51	12.03	0.00	109.48	2.50	--	--	--	--	--	--	--	--	
4/28/1994	121.51	10.92	0.00	110.59	1.11	78	--	ND	ND	ND	ND	180	--	
10/19/1994	121.51	13.78	0.00	107.73	-2.86	ND	--	ND	ND	ND	ND	260	--	
4/17/1995	121.51	12.15	0.00	109.36	1.63	ND	--	ND	ND	ND	ND	90	--	
10/12/1995	121.51	14.00	0.00	107.51	-1.85	ND	--	ND	ND	ND	ND	29	--	
4/8/1996	121.51	10.57	0.00	110.94	3.43	ND	--	ND	ND	ND	ND	ND	--	
MW-5 (Screen Interval in feet: DNA)														
1/27/1994	122.07	13.73	0.00	108.34	--	ND	--	ND	ND	ND	ND	--	--	
4/28/1994	122.07	14.25	0.00	107.82	-0.52	ND	--	ND	ND	ND	ND	--	--	
10/19/1994	122.07	16.15	0.00	105.92	-1.90	ND	--	ND	ND	ND	ND	--	--	
4/17/1995	122.07	13.21	0.00	108.86	2.94	ND	--	ND	ND	ND	ND	--	--	
10/12/1995	122.07	16.38	0.00	105.69	-3.17	ND	--	ND	ND	ND	ND	--	--	
4/8/1996	122.07	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-6 (Screen Interval in feet: 11.04-25.24)														
9/26/2005	124.02	16.03	0.00	107.99	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-7 (Screen Interval in feet: 12.04-25.33)														
9/26/2005	121.46	12.75	0.00	108.71	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through September 2005

76 Station 5105

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-8														
(Screen Interval in feet: 12.36-25.20)														
9/26/2005	122.16	15.49	0.00	106.67	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-9														
(Screen Interval in feet: 12.72-25.27)														
9/26/2005	123.59	15.89	0.00	107.70	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-10														
(Screen Interval in feet: 11.98-24.10)														
9/26/2005	123.55	15.33	0.00	108.22	--	--	420	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	960	
MW-11														
(Screen Interval in feet: 8.12-25.14)														
9/26/2005	123.14	14.91	0.00	108.23	--	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	85	
MW-12														
(Screen Interval in feet: 8.08-24.90)														
9/26/2005	122.34	13.24	0.00	109.10	--	--	1000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3100	

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5105

Date Sampled	TPHD (µg/l)	1,4-Dichloro- benzene (µg/l)	EDC (µg/l)	1,1-Dichloro- ethane (µg/l)	1,2-Dichloro- benzene (µg/l)	EDB (µg/l)	Lead (Total) (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Nitrite (mg/l)	Zinc (mg/l)	Ethanol 8260B (µg/l)	Nickel (mg/l)
MW-1															
5/25/1991	ND	ND	ND	ND	ND	--	--	--	--	--	--	0.012	--	--	--
10/7/1991	ND	ND	ND	1.9	1.2	--	0.027	--	--	--	--	1.8	0.12	--	0.31
1/10/1992	ND	ND	ND	ND	ND	--	0.0089	--	--	--	--	--	0.11	--	ND
4/8/1992	ND	ND	ND	ND	ND	--	0.013	--	--	--	--	20	0.02	--	ND
7/2/1992	ND	0.95	0.56	ND	1.8	--	0.017	--	--	--	--	--	0.15	--	0.38
10/6/1992	--	--	--	--	--	--	--	--	--	--	--	1.2	--	--	ND
1/6/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
4/1/1993	--	0.77	ND	ND	2	--	--	--	--	--	--	19	--	--	0.13
7/2/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
10/4/1993	--	2.1	ND	ND	4.6	--	--	--	--	--	--	0.39	--	--	ND
4/28/1994	--	0.64	0.66	0.5	3.6	--	--	--	--	--	--	8.6	--	--	0.12
10/19/1994	--	0.57	1.3	0.72	2.3	--	--	--	--	--	--	3.3	--	--	0.043
4/17/1995	--	ND	ND	0.58	1.1	--	--	--	--	--	--	12	--	--	0.027
10/12/1995	--	ND	ND	ND	ND	--	--	--	--	--	--	11	--	--	0.051
4/8/1996	--	ND	ND	0.98	ND	--	--	--	--	--	--	12	--	--	ND
10/29/1996	--	ND	ND	ND	4.4	--	--	--	--	--	--	2.1	--	--	--
8/31/1998	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--
4/5/1999	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--
3/31/2000	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--
4/6/2001	--	--	ND	--	--	ND	--	ND	83	ND	ND	--	--	ND	--
4/22/2002	--	--	ND<2.0	--	--	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	ND<500	--
4/11/2003	--	--	ND<2.0	--	--	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	ND<500	--
5/12/2004	--	--	ND<5.0	--	--	ND<5.0	--	ND<5.0	ND<50	ND<10	ND<5.0	--	--	ND<500	--
6/7/2005	--	--	ND<2.5	--	--	ND<2.5	--	ND<2.5	94	ND<2.5	ND<2.5	--	--	ND<250	--
9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	54	ND<0.50	ND<0.50	--	--	ND<250	--
MW-2															

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5105

Date Sampled	TPH-D (µg/l)	1,4-Dichloro- benzene (µg/l)	EDC (µg/l)	1,1-Dichloro- ethane (µg/l)	1,2-Dichloro- benzene (µg/l)	EDB (µg/l)	Lead (Total) (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Nitrite (mg/l)	Zinc (mg/l)	Ethanol 8260B (µg/l)	Nickel (mg/l)
MW-2 continued															
5/25/1991	--	ND	ND	ND	ND	--	--	--	--	--	--	3.5	--	--	--
10/7/1991	ND	ND	ND	ND	ND	--	--	--	--	--	--	0.51	--	--	--
1/10/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
4/8/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	ND	--	--	--
7/2/1992	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
10/6/1992	--	--	--	--	--	--	--	--	--	--	--	35	--	--	--
4/1/1993	--	--	--	--	--	--	--	--	--	--	--	2.9	--	--	--
10/4/1993	--	--	--	--	--	--	--	--	--	--	--	5.5	--	--	--
4/28/1994	--	--	--	--	--	--	--	--	--	--	--	2.5	--	--	--
10/19/1994	--	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--
4/17/1995	--	--	--	--	--	--	--	--	--	--	--	4.9	--	--	--
MW-3															
5/25/1991	--	ND	ND	ND	ND	--	--	--	--	--	--	ND	--	--	--
10/7/1991	ND	ND	ND	ND	ND	--	--	--	--	--	--	18	--	--	--
1/10/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
4/8/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	24	--	--	--
7/2/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
10/6/1992	--	--	--	--	--	--	--	--	--	--	--	26	--	--	--
4/1/1993	--	--	--	--	--	--	--	--	--	--	--	22	--	--	--
10/4/1993	--	--	--	--	--	--	--	--	--	--	--	63	--	--	--
4/28/1994	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--
4/17/1995	--	--	--	--	--	--	--	--	--	--	--	23	--	--	--
4/8/1996	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--
8/31/1998	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--
4/5/1999	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--
3/31/2000	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5105

Date Sampled	TPHD (µg/l)	1,4-Dichloro- benzene (µg/l)	EDC (µg/l)	1,1-Dichloro- ethane (µg/l)	1,2-Dichloro- benzene (µg/l)	EDB (µg/l)	Lead (Total) (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Nitrite (mg/l)	Zinc (mg/l)	Ethanol 8260B (µg/l)	Nickel (mg/l)
MW-3 continued															
4/6/2001	--	--	ND	--	--	ND	--	ND	ND	ND	ND	--	--	ND	--
4/22/2002	--	--	ND<2.0	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	ND<500	--
4/11/2003	--	--	ND<2.0	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	--	--	--	--
5/12/2004	--	--	ND<0.50	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	--	--	ND<50	--
6/7/2005	--	--	ND<0.50	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	--	--	ND<50	--
9/26/2005	ND<200	--	ND<0.50	--	ND<0.50	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--
MW-4															
4/8/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	5.7	--	--	--
7/2/1992	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
10/6/1992	--	--	--	--	--	--	--	--	--	--	--	4.3	--	--	--
4/1/1993	--	--	--	--	--	--	--	--	--	--	--	6.8	--	--	--
10/4/1993	--	--	--	--	--	--	--	--	--	--	--	2.3	--	--	--
4/28/1994	--	--	--	--	--	--	--	--	--	--	--	3.6	--	--	--
10/19/1994	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--
4/17/1995	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--
10/12/1995	--	--	--	--	--	--	--	--	--	--	--	0.66	--	--	--
4/8/1996	--	--	--	--	--	--	--	--	--	--	--	0.77	--	--	--
MW-5															
1/27/1994	ND	1.2	ND	1.5	1.4	--	--	--	--	--	--	23	--	--	--
4/28/1994	ND	ND	ND	1.6	ND	--	--	--	--	--	--	29	--	--	--
10/19/1994	ND	ND	ND	1.6	ND	--	--	--	--	--	--	26	--	--	--
4/17/1995	ND	0.92	ND	1.1	1.1	--	--	--	--	--	--	24	--	--	--
10/12/1995	ND	ND	ND	0.53	ND	--	--	--	--	--	--	26	--	--	--
MW-6															
9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
76 Station 5105

Date Sampled	TPH-D (µg/l)	1,4-Dichloro- benzene (µg/l)	EDC (µg/l)	1,1-Dichloro- ethane (µg/l)	1,2-Dichloro- benzene (µg/l)	EDB (µg/l)	Lead (Total) (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Nitrite (mg/l)	Zinc (mg/l)	Ethanol 8260B (µg/l)	Nickel (mg/l)
MW-7 9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--
MW-8 9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--
MW-9 9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--
MW-10 9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	66	ND<0.50	ND<0.50	--	--	ND<250	--
MW-11 9/26/2005	ND<200	--	ND<0.50	--	--	ND<0.50	--	ND<0.50	ND<10	ND<0.50	ND<0.50	--	--	ND<250	--
MW-12 9/26/2005	ND<200	--	2.6	--	--	ND<0.50	--	ND<0.50	1200	ND<0.50	ND<0.50	--	--	ND<250	--

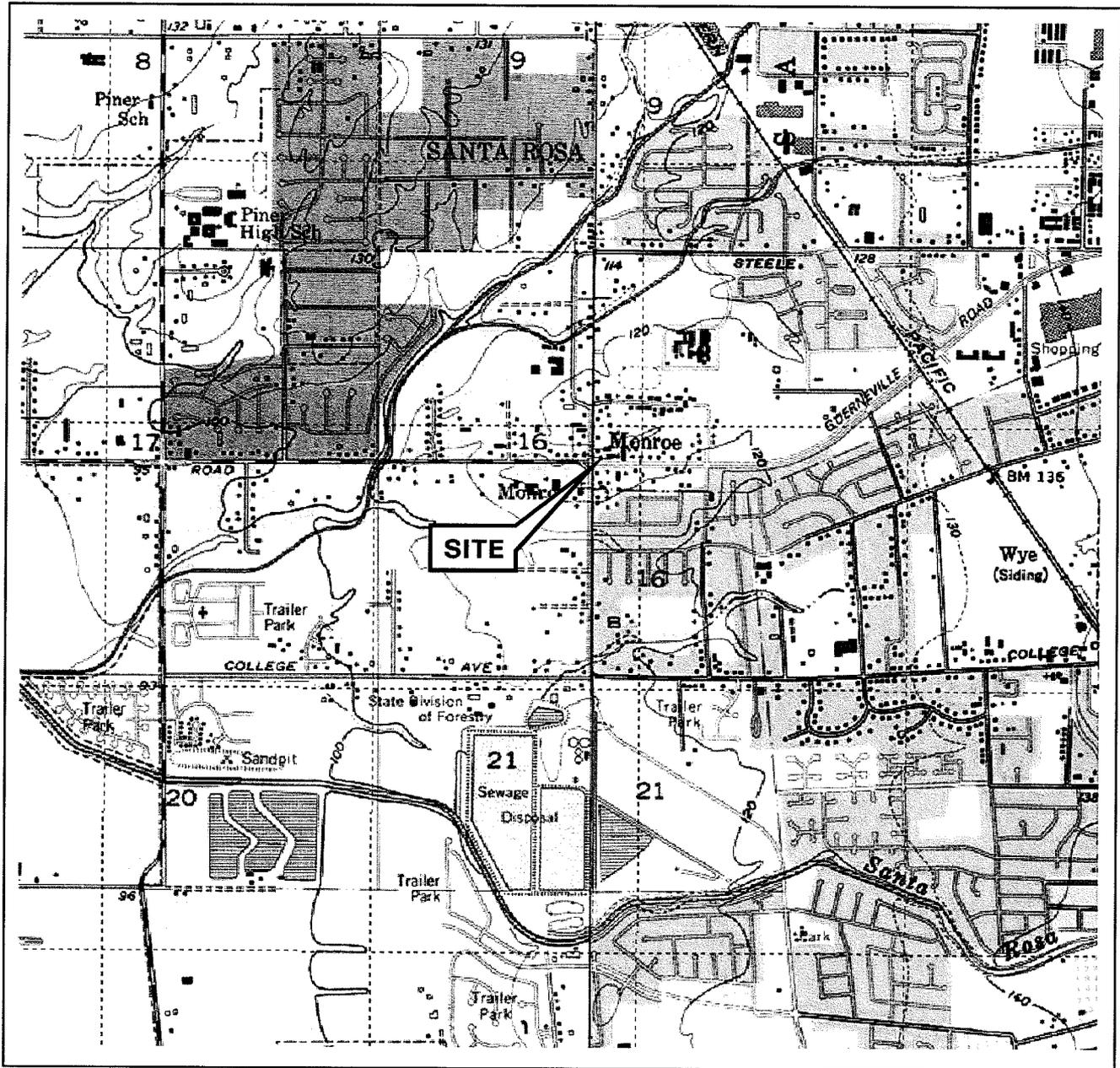
Table 3 b
ADDITIONAL ANALYTICAL RESULTS
76 Station 5105

Date Sampled	Cadmium (mg/l)	Chromium (mg/l)	TOG (mg/l)
MW-1			
5/25/1991	--	--	ND
10/7/1991	ND	0.19	ND
1/10/1992	ND	0.0053	ND
4/8/1992	ND	ND	ND
7/2/1992	ND	0.13	--
10/6/1992	--	ND	--
1/6/1993	--	ND	--
4/1/1993	--	0.045	--
7/2/1993	--	0.011	--
10/4/1993	--	ND	--
4/28/1994	--	0.067	--
10/19/1994	--	0.016	--
4/17/1995	--	0.011	--
10/12/1995	--	0.029	--
4/8/1996	--	ND	--
MW-5			
1/27/1994	--	--	ND
4/28/1994	--	--	ND
10/19/1994	--	--	ND
4/17/1995	--	--	ND
10/12/1995	--	--	ND

Table 4
ADDITIONAL ANALYTICAL RESULTS
 76 Station 5105

Date Sampled	Barium (mg/l)	Mercury (mg/l)
MW-5		
01/27/94	0.0035	ND
04/28/94	0.46	ND
10/19/94	0.094	0.00044
04/17/95	0.24	ND
10/12/95	0.17	ND

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1:24,000



SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Santa Rosa Quadrangle

QUADRANGLE
LOCATION



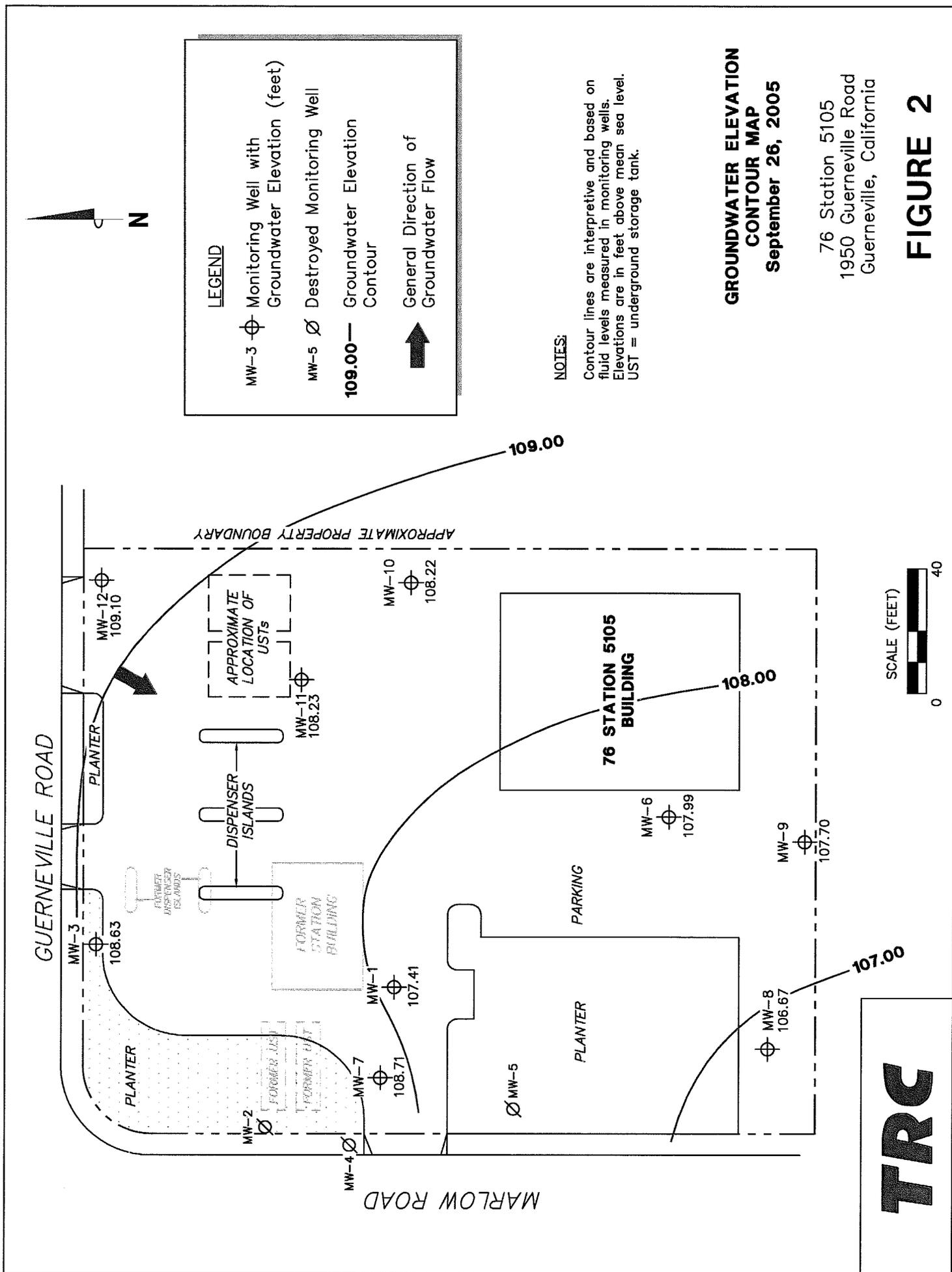
VICINITY MAP

76 Station 5105
1950 Guerneville Road
Santa Rosa, California

FIGURE 1

PS = 1:1

TRC



LEGEND

- MW-3 Monitoring Well with Groundwater Elevation (feet)
- MW-5 Destroyed Monitoring Well
- 109.00 Groundwater Elevation Contour
- General Direction of Groundwater Flow

NOTES:

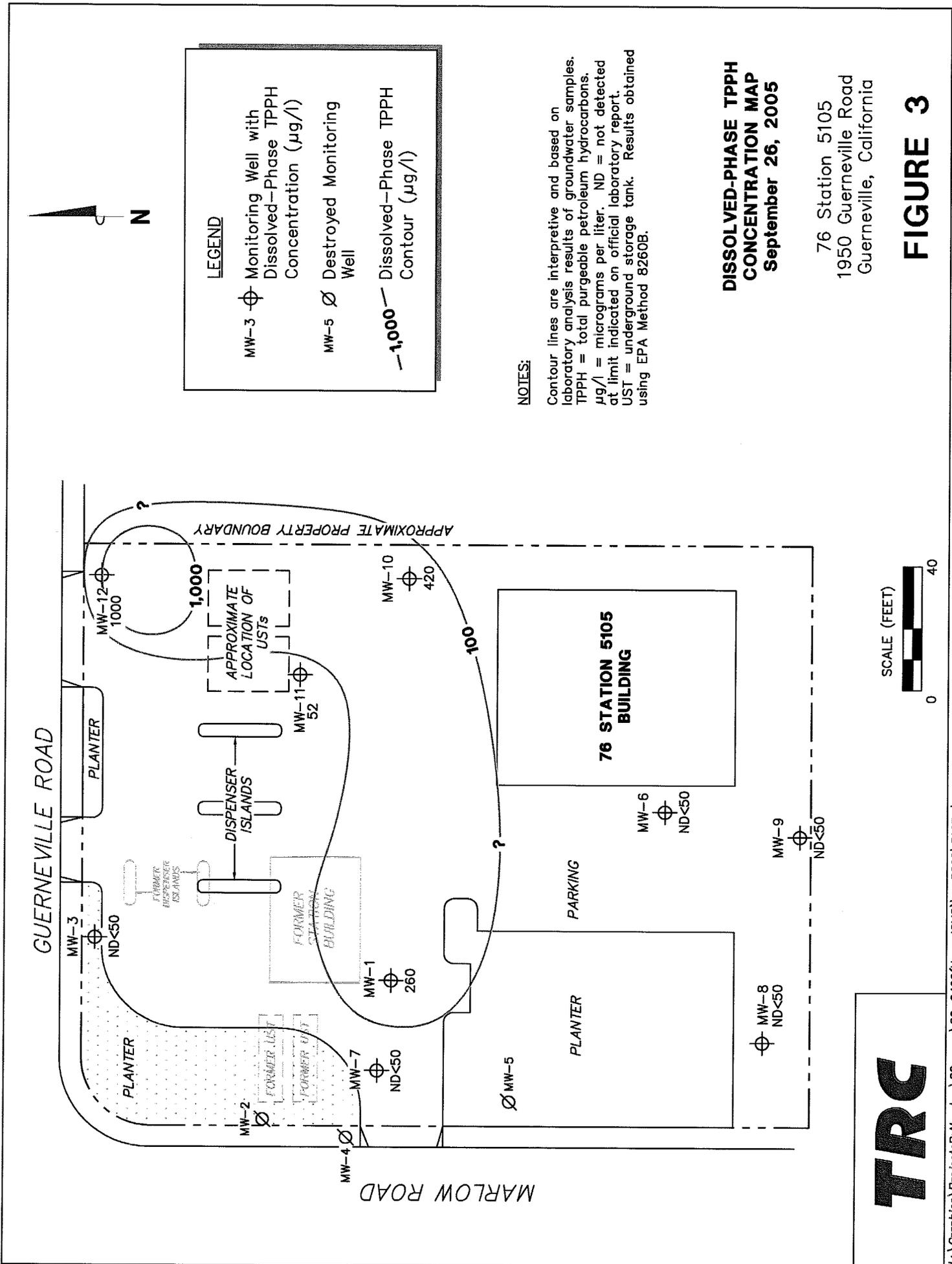
Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

**GROUNDWATER ELEVATION
CONTOUR MAP
September 26, 2005**

76 Station 5105
1950 Guerneville Road
Guerneville, California

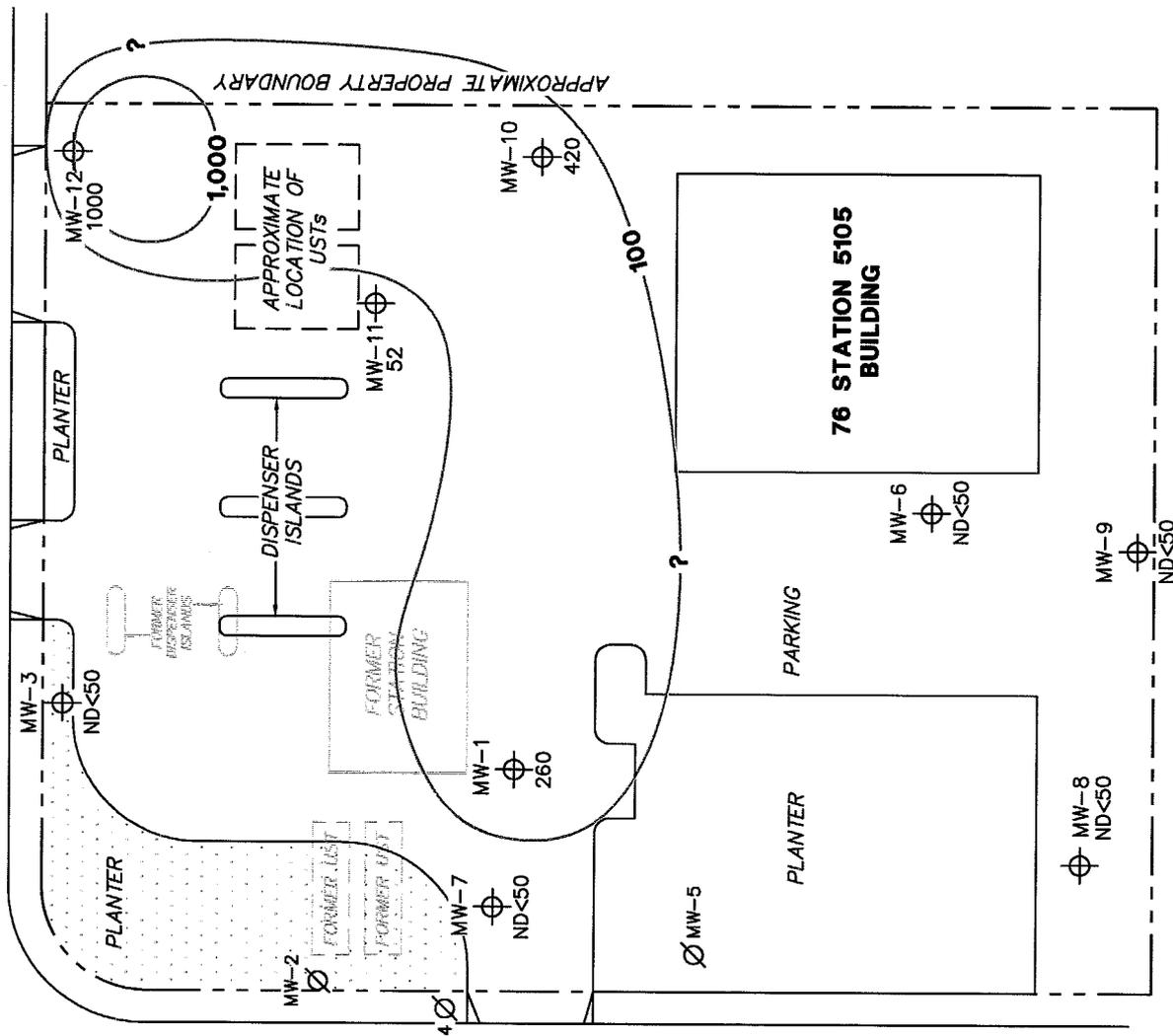
FIGURE 2





GUERNEVILLE ROAD

MARLOW ROAD



TRC

GUERNEVILLE ROAD



LEGEND

- MW-3 Monitoring Well with Dissolved-Phase Benzene Concentration ($\mu\text{g}/\text{l}$)
- MW-5 Destroyed Monitoring Well

NOTES:

$\mu\text{g}/\text{l}$ = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
September 26, 2005

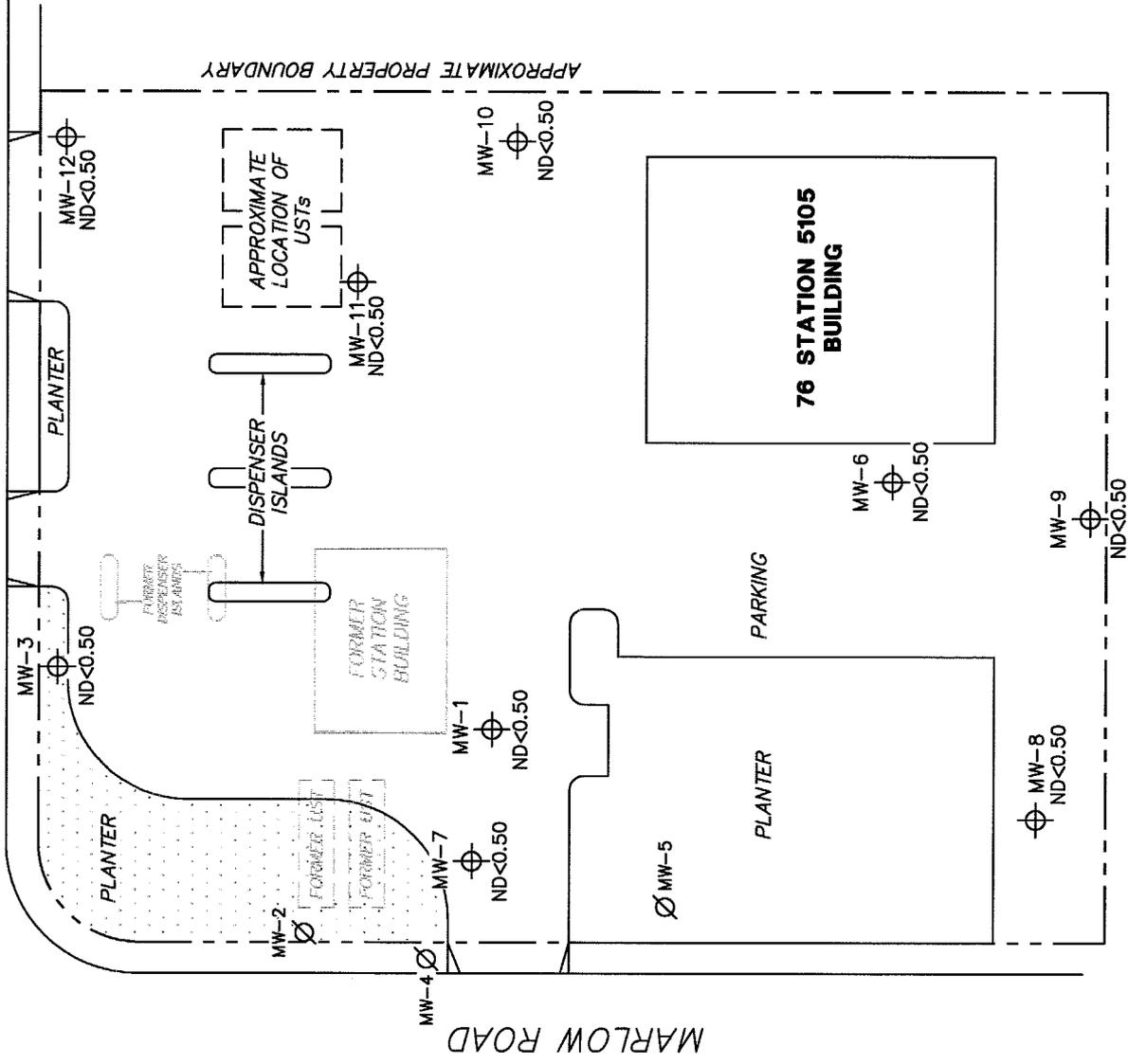
76 Station 5105
1950 Guerneville Road
Guerneville, California

FIGURE 4

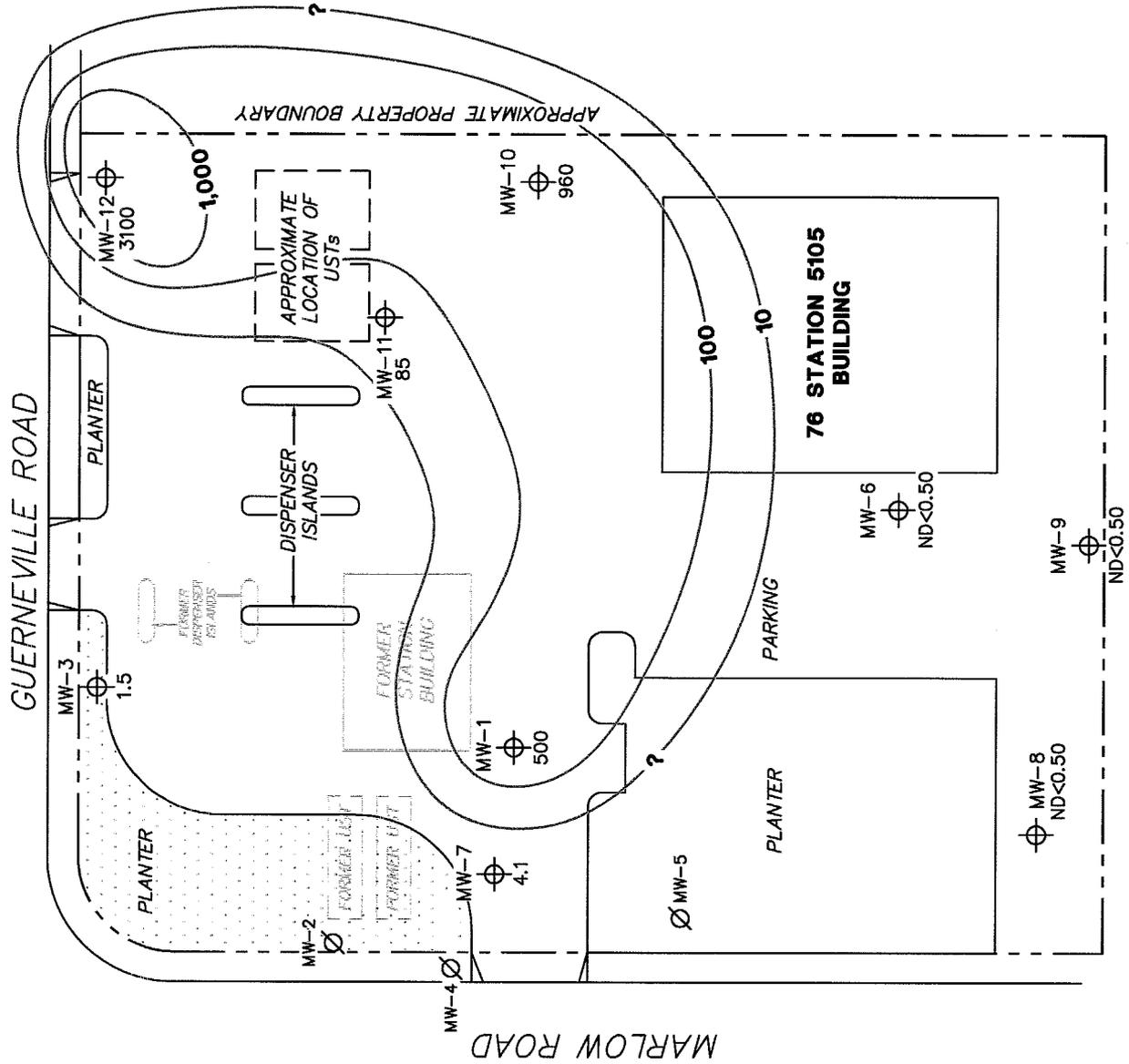


MARLOW ROAD

APPROXIMATE PROPERTY BOUNDARY



GUERNEVILLE ROAD



LEGEND

- MW-3 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)
- MW-5 ∅ Destroyed Monitoring Well
- 1,000— Dissolved-Phase MTBE Contour (µg/l)

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

**DISSOLVED-PHASE MTBE CONCENTRATION MAP
September 26, 2005**

76 Station 5105
1950 Guerneville Road
Guerneville, California

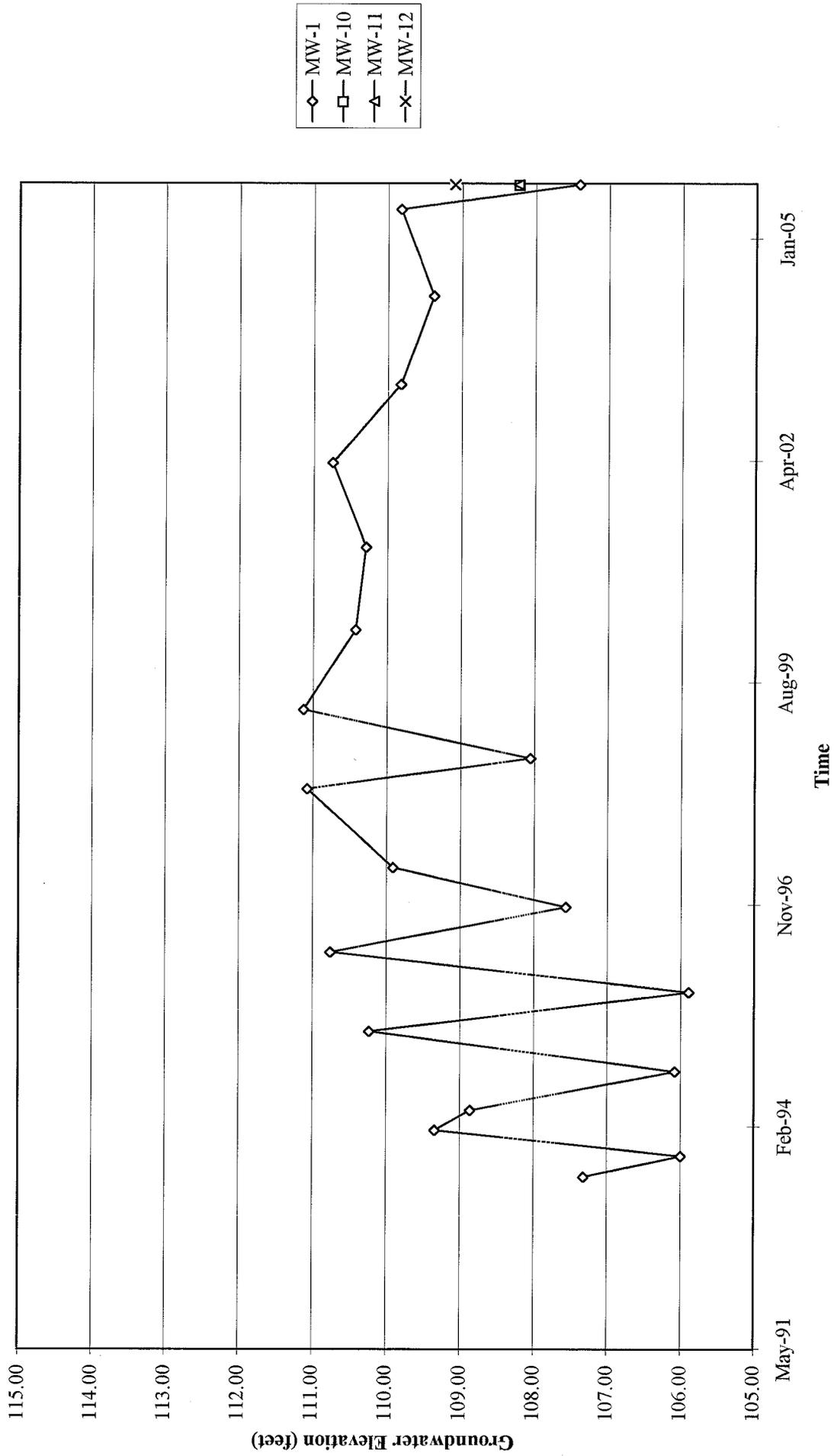
FIGURE 5



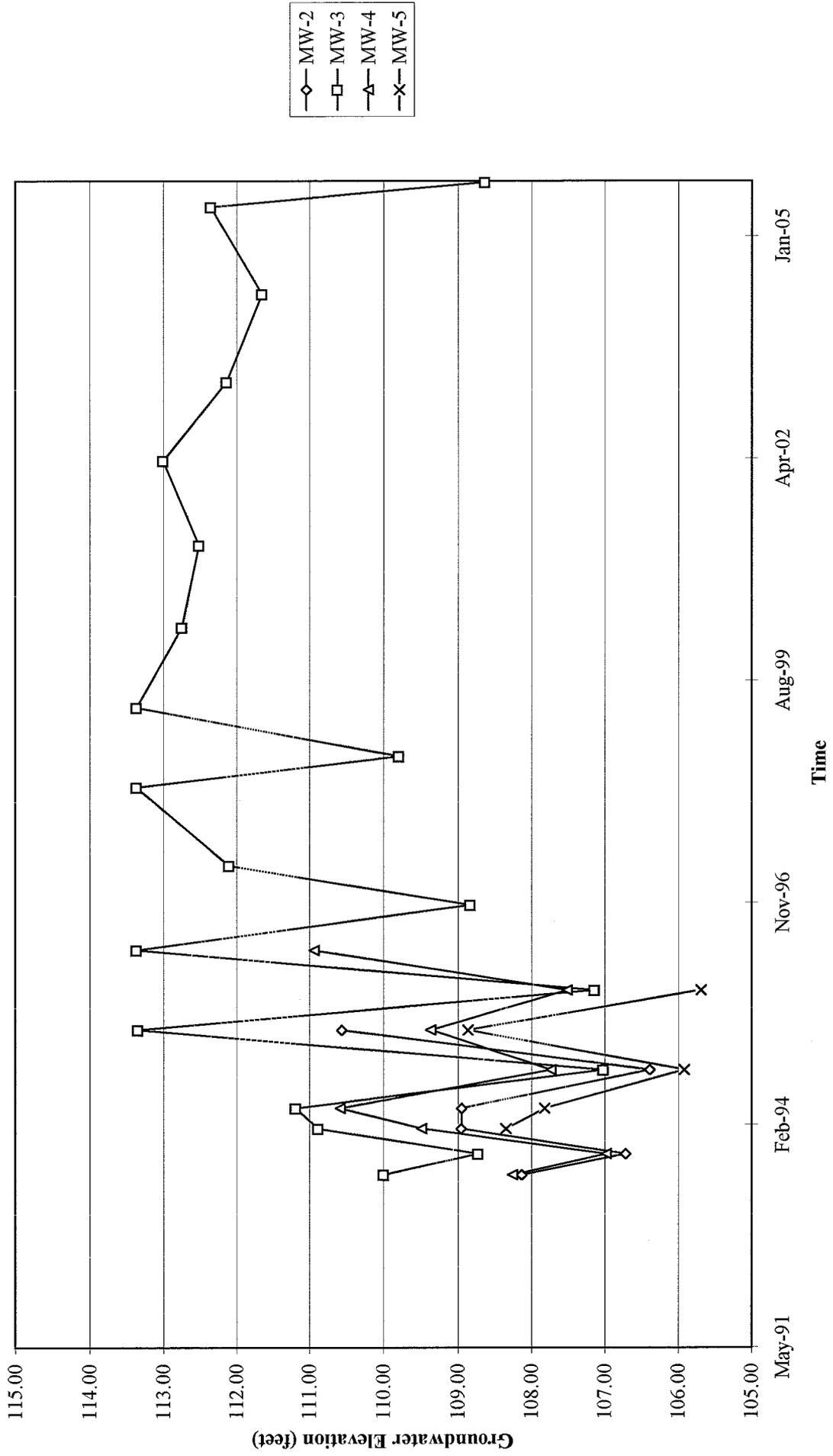
TRC

GRAPHS

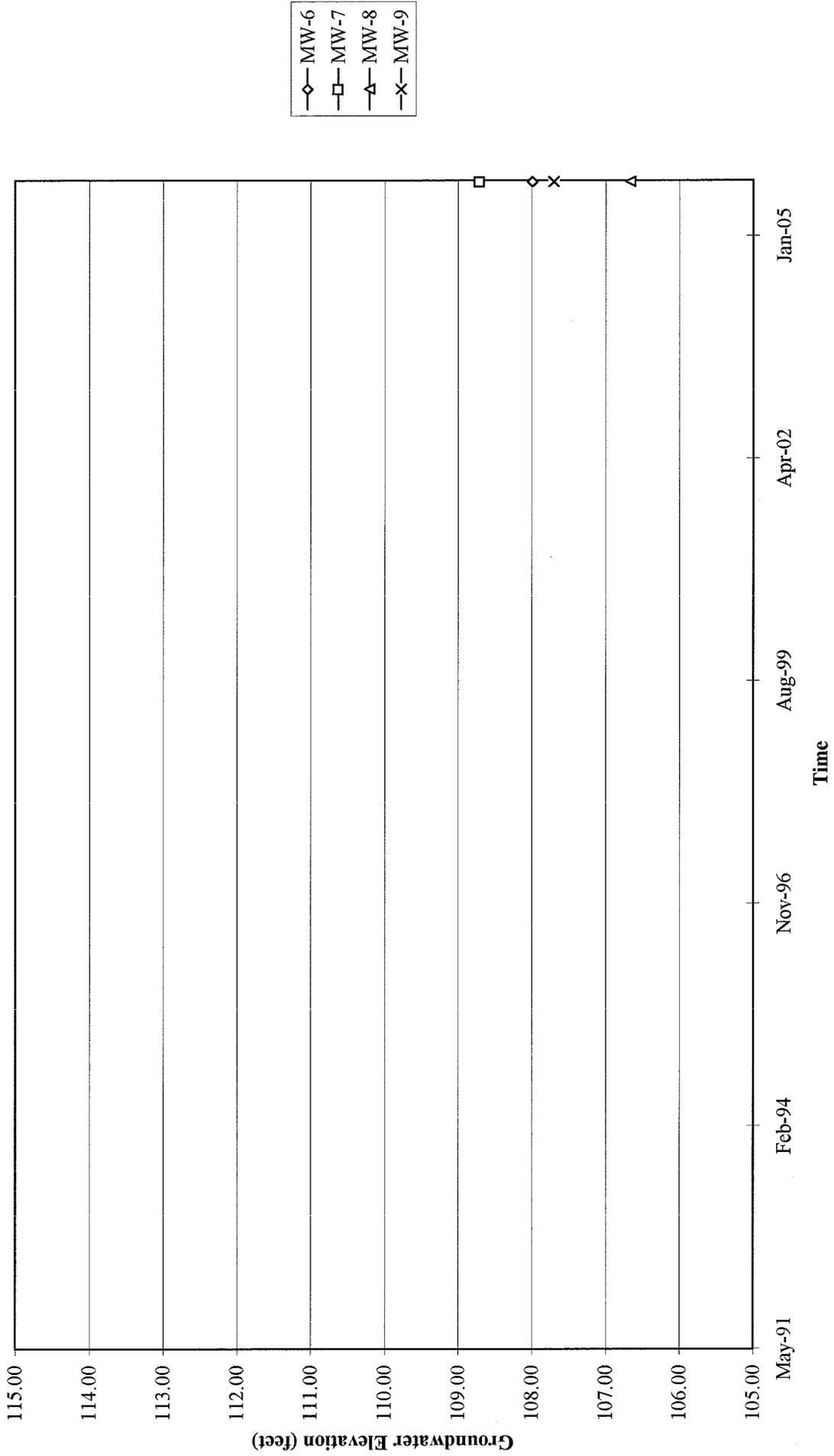
Groundwater Elevations vs. Time
76 Station 5105



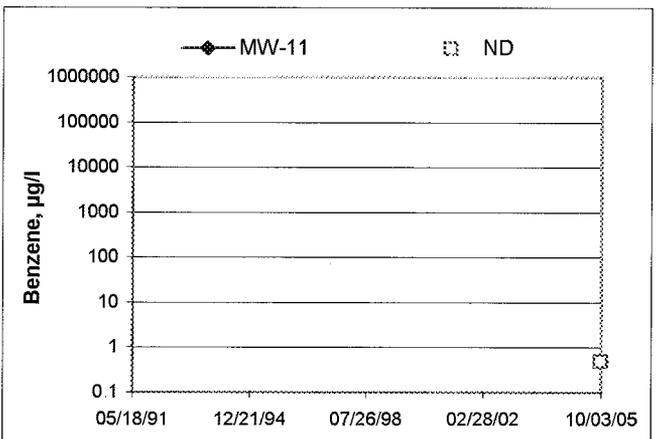
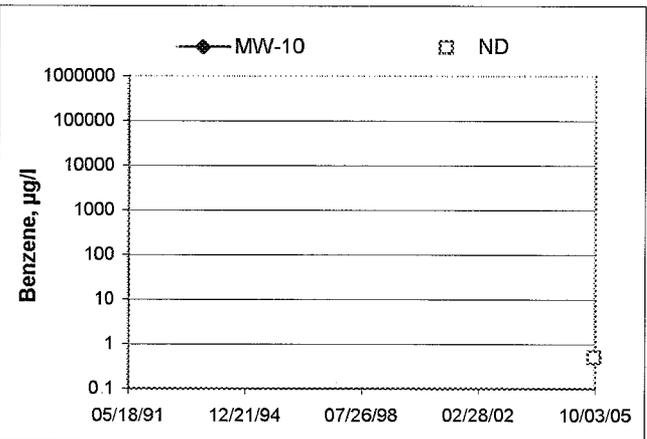
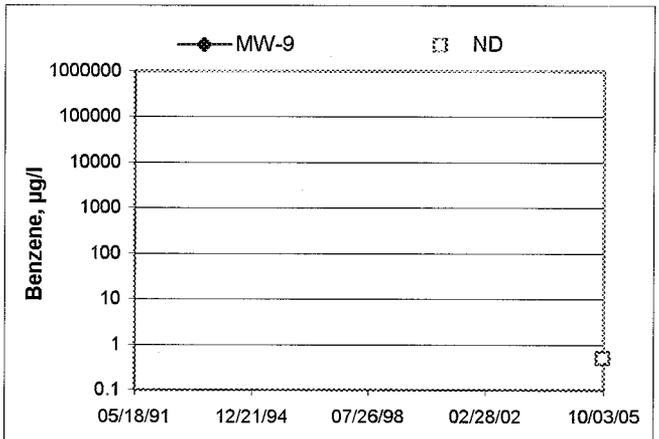
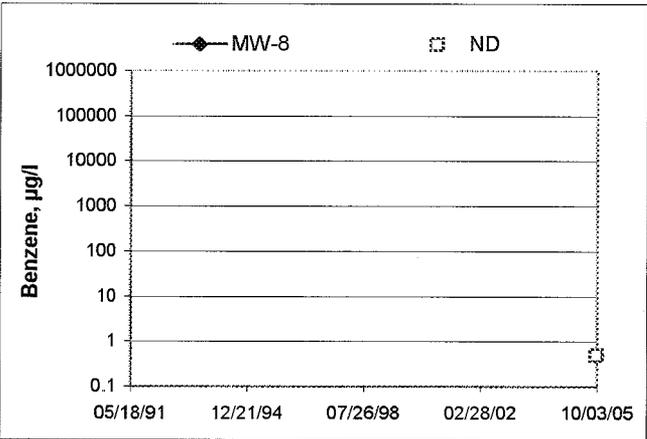
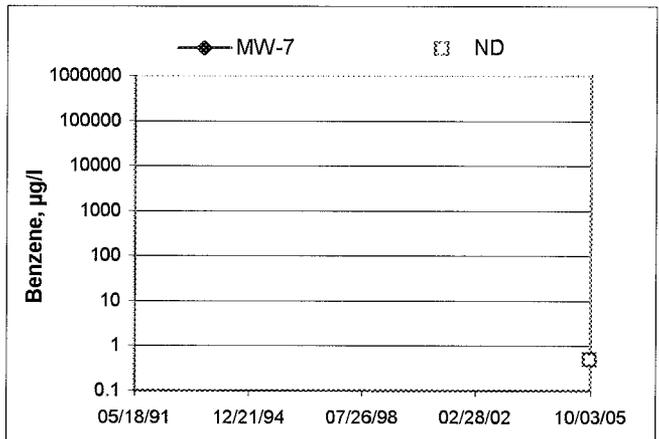
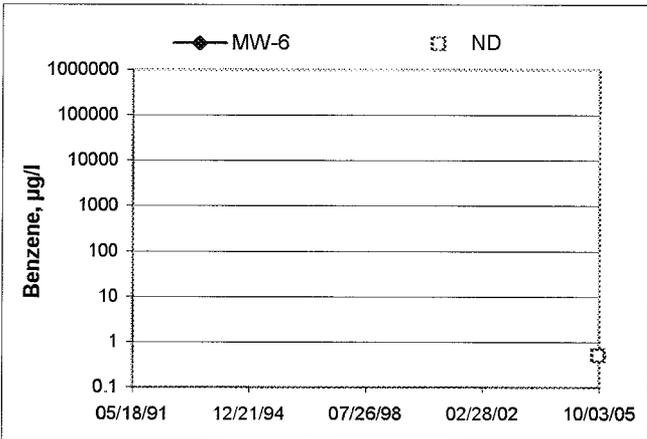
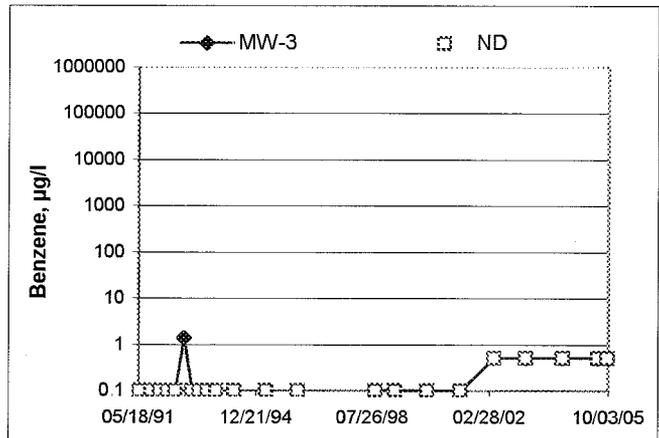
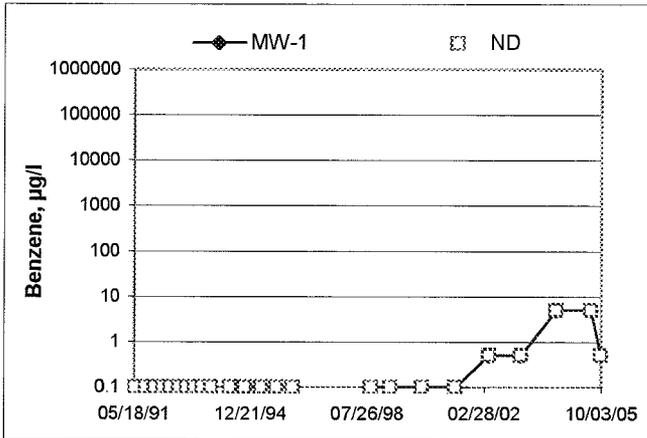
Groundwater Elevations vs. Time
76 Station 5105



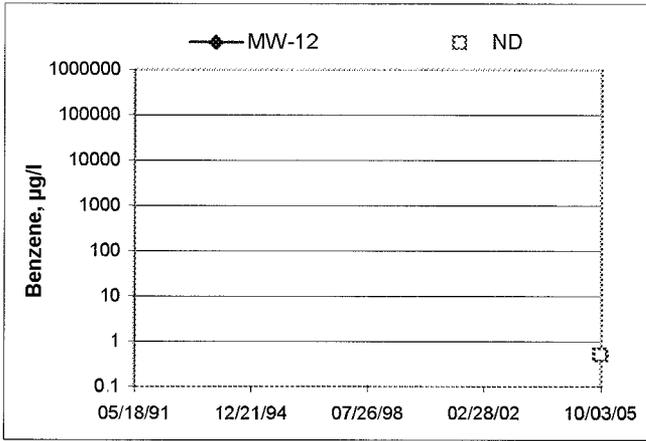
Groundwater Elevations vs. Time
76 Station 5105



Benzene Concentrations vs Time 76 Station 5105



Benzene Concentrations vs Time
76 Station 5105



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular wells, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: *[Signature]*

Job #/Task #: 405000 / P420

Date: 09/26/05

Site # 5105

Project Manager A. Collins

Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
Mw-8	0737	✓	25.19	15.49	0	0	1058	2"
Mw-9	0745	↓	25.22	15.89	↓	↓	1107	↓
Mw-6	0751	↓	24.14	16.03	↓	↓	1198	↓
Mw-10	0758	↓	24.78	15.33	↓	↓	1125	↓
Mw-11	0805	↓	24.84	14.91	↓	↓	1136	↓
Mw-12	0812	↓	24.74	13.24	↓	↓	1145	↓
Mw-7	0819	↓	25.76	12.75	↓	↓	1156	↓
Mw-3	0826	↓	24.34	13.12	↓	↓	1204	↓
Mw-1	0832	↓	28.40	15.32	↓	↓	1215	↓
<input checked="" type="checkbox"/> FIELD DATA COMPLETE			<input checked="" type="checkbox"/> QA/QC		<input checked="" type="checkbox"/> COC		<input checked="" type="checkbox"/> WELL BOX CONDITION SHEETS	
<input type="checkbox"/> WTT CERTIFICATE			<input type="checkbox"/> MANIFEST		<input checked="" type="checkbox"/> DRUM INVENTORY		<input type="checkbox"/> TRAFFIC CONTROL	

GROUNDWATER SAMPLING FIELD NOTES

Technician: B. S.

Site: 5705

Project No.: 4.050001/AR20

Date: 09/26/05

Well No.: Mw-8

Purge Method: D/A

Depth to Water (feet): 15.49

Depth to Product (feet): 2

Total Depth (feet): 25.19

LPH & Water Recovered (gallons): 4

Water Column (feet): 9.70

Casing Diameter (Inches): 2 1/2

80% Recharge Depth (feet): 17.43

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0904			2	560	19.1	8.04		
			4	529	20.7	7.69		
	0912		6	513	20.4	7.86		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
15.54			6			1058		
Comments:								

Well No.: Mw-9

Purge Method: D/A

Depth to Water (feet): 15.89

Depth to Product (feet): 2

Total Depth (feet): 25.22

LPH & Water Recovered (gallons): 4

Water Column (feet): 9.33

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 17.76

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0918			2	471	18.9	8.10		
			4	513	19.7	7.53		
	0924		6	574	19.5	7.72		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
17.74			6			1107		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Site: MS105
(Mw-6)

Technician: S. J. ...

Project No.: 4.05000.1A720

Date: 09/26/05

Well No.: _____
 Depth to Water (feet): 16.03
 Total Depth (feet): 24.14
 Water Column (feet): 8.11
 80% Recharge Depth (feet): 17.63

Purge Method: DIA
 Depth to Product (feet): φ
 LPH & Water Recovered (gallons): φ
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0931			1	461	18.0	8.06		
			2	472	19.0	7.70		
	0936		3	456	19.9	7.67		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
16.04			3			1118		
Comments:								

Well No.: Mw-10
 Depth to Water (feet): 15.33
 Total Depth (feet): 24.78
 Water Column (feet): 9.45
 80% Recharge Depth (feet): 17.22

Purge Method: DIA
 Depth to Product (feet): φ
 LPH & Water Recovered (gallons): φ
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0943			2	427	18.9	7.61		
			4	457	20.0	7.19		
	0951		6	484	20.1	7.50		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
17.69			6			1125		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Site: #5105
(Mw-11)

Technician: Dasi

Project No.: 41050001/FA20

Date: 09/26/05

Well No.: Mw-11
 Depth to Water (feet): 14.91
 Total Depth (feet): 24.84
 Water Column (feet): 9.93
 80% Recharge Depth (feet): 16.89

Purge Method DIA
 Depth to Product (feet): cl
 LPH & Water Recovered (gallons): 4
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
0956			2	290	19.1	8.08		
			4	302	21.0	7.65		
	1002		6	362	20.1	7.76		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
1523			6			1036		
Comments:								

Well No.: Mw-72
 Depth to Water (feet): 13.24
 Total Depth (feet): 24.74
 Water Column (feet): 11.50
 80% Recharge Depth (feet): 15.54

Purge Method DIA
 Depth to Product (feet): cl
 LPH & Water Recovered (gallons): 4
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
1008			2	454	20.5	7.92		
			4	471	20.2	7.75		
	1014		6	488	20.7	7.78		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
13.51			6			1145		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: Bas

Site: 5105

Project No.: Urosoco/FM20

Date: 09/26/05

Well No.: MW-7
 Depth to Water (feet): 12.75
 Total Depth (feet): 25.28
 Water Column (feet): 12.53
 80% Recharge Depth (feet): 15.26

Purge Method DIA
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
1020			2	700	20.5	7.59		
			4	779	21.6	7.13		
	1026		6	771	21.3	7.87		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
14.86			6			11.56		
Comments:								

Well No.: MW-3
 Depth to Water (feet): 13.12
 Total Depth (feet): 24.34
 Water Column (feet): 11.22
 80% Recharge Depth (feet): 15.36

Purge Method DIA
 Depth to Product (feet): 0
 LPH & Water Recovered (gallons): 0
 Casing Diameter (Inches): 2"
 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F.C)	pH	Turbidity	D.O.
1032			2	425	21.9	7.83		
			4	411	21.8	7.38		
	1039		6	406	21.9	7.61		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
14.33			6			12.04		
Comments:								

GROUNDWATER SAMPLING FIELD NOTES

Technician: JKS

Site: 5105

Project No.: 4.050001/AZ0

Date: 09/26/05

Well No.: MW-1

Purge Method: DIA

Depth to Water (feet): 15.32

Depth to Product (feet): cl

Total Depth (feet): 28.40

LPH & Water Recovered (gallons): cl

Water Column (feet): 13.08

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 17.94

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1045			2	521	21.1	8.02		
			4	692	22.0	7.16		
	1051		6	748	21.9	7.87		
Static at Time Sampled			Total Gallons Purged			Time Sampled		
1549			6			1215		
Comments:								

Well No.: _____

Purge Method: _____

Depth to Water (feet): _____

Depth to Product (feet): _____

Total Depth (feet): _____

LPH & Water Recovered (gallons): _____

Water Column (feet): _____

Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____

1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
Static at Time Sampled			Total Gallons Purged			Time Sampled		
Comments:								



Date of Report: 10/05/2005

Anju Farfan
TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302
RE: 5105
BC Lab Number: 0509536

Enclosed are the results of analyses for samples received by the laboratory on 09/26/05 21:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Vanessa Surratt".

Contact Person: Vanessa Surratt

Client Service Rep

A handwritten signature in cursive script, appearing to read "Vanessa Surratt".

Authorized Signature



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0509536-01	COC Number: ---	Project Number: 5105	Receive Date: 09/26/05 21:30	Delivery Work Order (LabW):
	Sampling Location: MW-8	Sampling Point: MW-8	Sampling Date: 09/26/05 10:58	Global ID: T0609700585
	Sampled By: Basi Foster of TRCI		Sample Depth: ---	Matrix: W
			Sample Matrix: Water	Sample QC Type (SACode): CS
				Cooler ID:
0509536-02	COC Number: ---	Project Number: 5105	Receive Date: 09/26/05 21:30	Delivery Work Order (LabW):
	Sampling Location: MW-9	Sampling Point: MW-9	Sampling Date: 09/26/05 11:07	Global ID: T0609700585
	Sampled By: Basi Foster of TRCI		Sample Depth: ---	Matrix: W
			Sample Matrix: Water	Sample QC Type (SACode): CS
				Cooler ID:
0509536-03	COC Number: ---	Project Number: 5105	Receive Date: 09/26/05 21:30	Delivery Work Order (LabW):
	Sampling Location: MW-6	Sampling Point: MW-6	Sampling Date: 09/26/05 11:18	Global ID: T0609700585
	Sampled By: Basi Foster of TRCI		Sample Depth: ---	Matrix: W
			Sample Matrix: Water	Sample QC Type (SACode): CS
				Cooler ID:
0509536-04	COC Number: ---	Project Number: 5105	Receive Date: 09/26/05 21:30	Delivery Work Order (LabW):
	Sampling Location: MW-10	Sampling Point: MW-10	Sampling Date: 09/26/05 11:25	Global ID: T0609700585
	Sampled By: Basi Foster of TRCI		Sample Depth: ---	Matrix: W
			Sample Matrix: Water	Sample QC Type (SACode): CS
				Cooler ID:
0509536-05	COC Number: ---	Project Number: 5105	Receive Date: 09/26/05 21:30	Delivery Work Order (LabW):
	Sampling Location: MW-11	Sampling Point: MW-11	Sampling Date: 09/26/05 11:36	Global ID: T0609700585
	Sampled By: Basi Foster of TRCI		Sample Depth: ---	Matrix: W
			Sample Matrix: Water	Sample QC Type (SACode): CS
				Cooler ID:

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Laboratory / Client Sample Cross Reference

Laboratory Client Sample Information

0509536-06 **COC Number:** ---
Project Number: 5105
Sampling Location: MW-12
Sampling Point: MW-12
Sampled By: Basi Foster of TRCI

Receive Date: 09/26/05 21:30
Sampling Date: 09/26/05 11:45
Sample Depth: ---
Sample Matrix: Water
Delivery Work Order (LabW):
Global ID: T0609700585
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0509536-07 **COC Number:** ---
Project Number: 5105
Sampling Location: MW-7
Sampling Point: MW-7
Sampled By: Basi Foster of TRCI

Receive Date: 09/26/05 21:30
Sampling Date: 09/26/05 11:56
Sample Depth: ---
Sample Matrix: Water
Delivery Work Order (LabW):
Global ID: T0609700585
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0509536-08 **COC Number:** ---
Project Number: 5105
Sampling Location: MW-3
Sampling Point: MW-3
Sampled By: Basi Foster of TRCI

Receive Date: 09/26/05 21:30
Sampling Date: 09/26/05 12:04
Sample Depth: ---
Sample Matrix: Water
Delivery Work Order (LabW):
Global ID: T0609700585
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

0509536-09 **COC Number:** ---
Project Number: 5105
Sampling Location: MW-1
Sampling Point: MW-1
Sampled By: Basi Foster of TRCI

Receive Date: 09/26/05 21:30
Sampling Date: 09/26/05 12:15
Sample Depth: ---
Sample Matrix: Water
Delivery Work Order (LabW):
Global ID: T0609700585
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-01 | **Client Sample Name:** 5105, MW-8, MW-8, 9/26/2005 10:58:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	Batch ID	QC	MB	Lab
Benzene	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Ethylbenzene	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Toluene	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Total Xylenes	ND	ug/L	1.0	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
t-Butyl alcohol	ND	ug/L	10	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Ethanol	ND	ug/L	250	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186		ND	ND
1,2-Dichloroethane-d4 (Surrogate)	113	%	76 - 114 (LCL - UCL)	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186			
Toluene-d8 (Surrogate)	86.3	%	88 - 110 (LCL - UCL)	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186			A20, S09
4-Bromofluorobenzene (Surrogate)	99.9	%	86 - 115 (LCL - UCL)	EPA-8260	EPA-8260	09/29/05	09/30/05 17:20	MGC	MS-V5	1	BOI1186			



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-01 | **Client Sample Name:** 5105, MW-8, MW-8, 9/26/2005 10:58:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/28/05 20:57	VTR	GC-2	1	BOI1127	ND	
Tetracosane (Surrogate)	77.8	%	32 - 140 (LCL - UCL)		Luf/TPHd	09/27/05	09/28/05 20:57	VTR	GC-2	1	BOI1127		V11



TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-02 **Client Sample Name:** 5105, MW-9, MW-9, 9/26/2005 11:07:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Run Date/Time						
Benzene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Toluene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Ethanol	ND	ug/L	250	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186		
Toluene-d8 (Surrogate)	89.1	%	88 - 110 (LCL - UCL)	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186		
4-Bromofluorobenzene (Surrogate)	96.6	%	86 - 115 (LCL - UCL)	EPA-8260	09/29/05	09/30/05	17:53	MGC	MS-V5	1	BOI1186		



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Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-02 Client Sample Name: 5105, MW-9, MV-9, 9/26/2005 11:07:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instru- ment ID	Dilution	Batch ID	QC	MB	Bias	Lab	Quals	
						Date	Run Date/Time									
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHD	09/27/05	09/28/05 21:19	VTR	GC-2	1	BO11127		ND			
Tetracosane (Surrogate)	85.7	%	32 - 140	(LCL - UCL)	Luf/TPHD	09/27/05	09/28/05 21:19	VTR	GC-2	1	BO11127					V11



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Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-03 **Client Sample Name:** 5105, MW-6, MW-6, 9/26/2005 11:18:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Run Date/Time						
Benzene	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Toluene	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Ethanol	ND	ug/L	250	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186		
Toluene-d8 (Surrogate)	83.2	%	88 - 110 (LCL - UCL)	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186		A20, S09
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260	MGC	09/29/05	09/30/05 18:26	MGC	MS-V5	1	BOI1186		



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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-03 **Client Sample Name:** 5105, MW-6, MW-6, 9/26/2005 11:18:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instru- ment ID	Dilution	Batch ID	MB	Bias	Lab	Quals
						Date	Date/Time							
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/28/05 21:42	GC-2	1	BOI1127	ND			
Tetracosane (Surrogate)	88.9	%	32 - 140	(LCL - UCL)	Luf/TPHd	09/27/05	09/28/05 21:42	GC-2	1	BOI1127				V11



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Project: 5105
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Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-04 **Client Sample Name:** 5105, MW-10, MW-10, 9/26/2005 11:25:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Dilution	QC	MB	Lab
						Date	Run Date/Time					
Benzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Ethylbenzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Methyl t-butyl ether	960	ug/L	10	EPA-8260	MGC	MS-V5	10/03/05 14:09	MGC	20	BOI1186	ND	A01
Toluene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Total Xylenes	ND	ug/L	1.0	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
t-Butyl alcohol	66	ug/L	10	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Ethanol	ND	ug/L	250	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
Total Purgeable Petroleum Hydrocarbons	420	ug/L	50	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260	MGC	MS-V5	10/03/05 14:09	MGC	20	BOI1186	ND	ND
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)	EPA-8260	MGC	MS-V5	10/03/05 14:09	MGC	20	BOI1186	ND	ND
Toluene-d8 (Surrogate)	90.4	%	88 - 110 (LCL - UCL)	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260	MGC	MS-V5	10/03/05 14:09	MGC	20	BOI1186	ND	ND
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)	EPA-8260	MGC	MS-V5	09/30/05 20:40	MGC	1	BOI1186	ND	ND



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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-04 Client Sample Name: 5105, MW-10, MVW-10, 9/26/2005 11:25:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Date/Time					
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPhd	09/27/05	09/28/05 22:04	GC-2	1	BOI1127	ND	
Tetracosane (Surrogate)	80.1	%	32 - 140 (LCL - UCL)		Luf/TPhd	09/27/05	09/28/05 22:04	GC-2	1	BOI1127		V11



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Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-05 **Client Sample Name:** 5105, MW-11, MW-11, 9/26/2005 11:36:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Run Date/Time						
Benzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethylbenzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Methyl t-butyl ether	85	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Toluene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Total Xylenes	ND	ug/L	1.0	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
t-Butyl alcohol	ND	ug/L	10	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethanol	ND	ug/L	250	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Total Purgeable Petroleum Hydrocarbons	52	ug/L	50	EPA-8260	MGC	MS-V5	1	BOI1186	ND			A53	
1,2-Dichloroethane-d4 (Surrogate)	114	%	76 - 114	(LCL - UCL)	MGC	MS-V5	1	BOI1186					
Toluene-d8 (Surrogate)	81.2	%	88 - 110	(LCL - UCL)	MGC	MS-V5	1	BOI1186				A20, S09	
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115	(LCL - UCL)	MGC	MS-V5	1	BOI1186					



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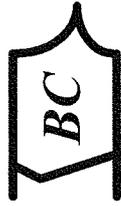
Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-05 | **Client Sample Name:** 5105, MW-11, MW-11, 9/26/2005 11:36:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Dilution	QC	MB	Lab
						Date	Run Date/Time					
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/28/05 22:27	VTR	1	BO11127	ND	
Tetracosane (Surrogate)	84.2	%	32 - 140 (LCL - UCL)		Luf/TPHd	09/27/05	09/28/05 22:27	VTR	1	BO11127	ND	V11



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Volatile Organic Analysis (EPA Method 8260)

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Dilution	QC	MB	Lab
						Date	Run					
Benzene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
1,2-Dichloroethane	2.6	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Ethylbenzene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Methyl t-butyl ether	3100	ug/L	120	EPA-8260	09/29/05	10/03/05	13:02	MGC	MS-V5	250	BOI1186	ND
Toluene	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Total Xylenes	ND	ug/L	1.0	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
t-Butyl alcohol	1200	ug/L	10	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Ethanol	ND	ug/L	250	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
Total Purgeable Petroleum Hydrocarbons	1000	ug/L	50	EPA-8260	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	ND
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114	(LCL - UCL)	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114	(LCL - UCL)	09/29/05	10/03/05	13:02	MGC	MS-V5	250	BOI1186	
Toluene-d8 (Surrogate)	104	%	88 - 110	(LCL - UCL)	09/29/05	10/03/05	13:02	MGC	MS-V5	250	BOI1186	
Toluene-d8 (Surrogate)	99.3	%	88 - 110	(LCL - UCL)	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115	(LCL - UCL)	09/29/05	10/03/05	13:02	MGC	MS-V5	250	BOI1186	
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115	(LCL - UCL)	09/29/05	09/30/05	21:14	MGC	MS-V5	1	BOI1186	



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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-06 **Client Sample Name:** 5105, MW-12, MW-12, 9/26/2005 11:45:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luft/TPHd	09/27/05	09/28/05 22:50	VTR	GC-2	1	BOI1127	ND	
Tetracosane (Surrogate)	87.6	%	32 - 140	(LCL - UCL)	Luft/TPHd	09/27/05	09/28/05 22:50	VTR	GC-2	1	BOI1127		V11



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Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-07 **Client Sample Name:** 5105, MW-7, MW-7, 9/26/2005 11:56:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Methyl t-butyl ether	4.1	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Toluene	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Ethanol	ND	ug/L	250		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	09/29/05	09/30/05 19:33	MGC	MS-V5	1	BOI1186		



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Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

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Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-07 **Client Sample Name:** 5105, MW-7, MW-7, 9/26/2005 11:56:00AM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instru- ment ID	Dilution	Batch ID	MB	Bias	Lab Quals
						Date	Run Date/Time						
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/29/05 00:20	GC-2	1	BOI1127			ND
Tetracosane (Surrogate)	93.7	%	32 - 140 (LCL - UCL)		Luf/TPHd	09/27/05	09/29/05 00:20	GC-2	1	BOI1127			



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Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-08 **Client Sample Name:** 5105, MW-3, MW-3, 9/26/2005 12:04:00PM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Instrument ID	Dilution	Batch ID	MB Bias	Lab Quails
						Date	Run Date/Time						
Benzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethylbenzene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Methyl t-butyl ether	1.5	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Toluene	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Total Xylenes	ND	ug/L	1.0	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
t-Butyl alcohol	ND	ug/L	10	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethanol	ND	ug/L	250	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	EPA-8260	MGC	MS-V5	1	BOI1186	ND				
1,2-Dichloroethane-d4 (Surrogate)	114	%	76 - 114 (LCL - UCL)	EPA-8260	MGC	MS-V5	1	BOI1186					
Toluene-d8 (Surrogate)	99.6	%	88 - 110 (LCL - UCL)	EPA-8260	MGC	MS-V5	1	BOI1186					
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260	MGC	MS-V5	1	BOI1186					



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-08 **Client Sample Name:** 5105, MW-3, MW-3, 9/26/2005 12:04:00PM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instru- ment ID	Dilution	Batch ID	QC	MB	Bias	Lab	Quals
						Date	Run Date/Time								
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/29/05 00:43	GC-2	1	BOI1127					
Tetracosane (Surrogate)	97.2	%	32 - 140 (LCL - UCL)		Luf/TPHd	09/27/05	09/29/05 00:43	GC-2	1	BOI1127					



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0509536-09 **Client Sample Name:** 5105, MW-1, MW-1, MW-1, 9/26/2005 12:15:00PM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
						Date	Run Date/Time						
Benzene	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Methyl t-butyl ether	500	ug/L	10	EPA-8260	09/29/05	10/03/05	14:43	MGC	MS-V5	20	BOI1186	ND	A01
Toluene	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
t-Butyl alcohol	54	ug/L	10	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Ethanol	ND	ug/L	250	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	
Total Purgeable Petroleum Hydrocarbons	260	ug/L	50	EPA-8260	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186	ND	A53
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114	(LCL - UCL)	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186		
1,2-Dichloroethane-d4 (Surrogate)	114	%	76 - 114	(LCL - UCL)	09/29/05	10/03/05	14:43	MGC	MS-V5	20	BOI1186		
Toluene-d8 (Surrogate)	101	%	88 - 110	(LCL - UCL)	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186		
Toluene-d8 (Surrogate)	103	%	88 - 110	(LCL - UCL)	09/29/05	10/03/05	14:43	MGC	MS-V5	20	BOI1186		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115	(LCL - UCL)	09/29/05	10/01/05	04:28	MGC	MS-V5	1	BOI1186		
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115	(LCL - UCL)	09/29/05	10/03/05	14:43	MGC	MS-V5	20	BOI1186		



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons

BCL Sample ID: 0509536-09 Client Sample Name: 5105, MW-1, MW-1, 9/26/2005 12:15:00PM, Basi Foster

Constituent	Result	Units	PQL	MDL	Method	Prep		Instrument ID	Dilution	Batch ID	MB	Lab
						Date	Run Date/Time					
Diesel Range Organics (C12 - C24)	ND	ug/L	200		Luf/TPHd	09/27/05	09/29/05 01:05	GC-2	1	BOI1127	ND	
Tetracosane (Surrogate)	82.2	%	32 - 140 (LCL - UCL)		Luf/TPHd	09/27/05	09/29/05 01:05	GC-2	1	BOI1127		



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105

Project Number: [none]

Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Control Limits	
									Percent Recovery	RPD
Benzene	BOI1186	BOI1186-MS1	Matrix Spike	ND	26.770	25.000	ug/L		107	70 - 130
		BOI1186-MSD1	Matrix Spike Duplicate	ND	25.790	25.000	ug/L	3.81	103	70 - 130
Toluene	BOI1186	BOI1186-MS1	Matrix Spike	ND	25.890	25.000	ug/L		104	70 - 130
		BOI1186-MSD1	Matrix Spike Duplicate	ND	25.080	25.000	ug/L	3.92	100	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BOI1186	BOI1186-MS1	Matrix Spike	ND	9.8200	10.000	ug/L		98.2	76 - 114
		BOI1186-MSD1	Matrix Spike Duplicate	ND	9.6700	10.000	ug/L		96.7	76 - 114
Toluene-d8 (Surrogate)	BOI1186	BOI1186-MS1	Matrix Spike	ND	10.050	10.000	ug/L		100	88 - 110
		BOI1186-MSD1	Matrix Spike Duplicate	ND	9.9800	10.000	ug/L		99.8	88 - 110
4-Bromofluorobenzene (Surrogate)	BOI1186	BOI1186-MS1	Matrix Spike	ND	10.210	10.000	ug/L		102	86 - 115
		BOI1186-MSD1	Matrix Spike Duplicate	ND	10.330	10.000	ug/L		103	86 - 115



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source		Spike Added	Units	RPD	Percent Recovery	Control Limits	
				Result	Result					RPD	Recovery Lab Quals
Diesel Range Organics (C12 - C24)	BOI1127	BOI1127-MS1	Matrix Spike	ND	476.65	500.00	ug/L	5.81	95.3	33 - 131	
		BOI1127-MSD1	Matrix Spike Duplicate	ND	506.75	500.00	ug/L	5.81	101	33 - 131	
Tetracosane (Surrogate)	BOI1127	BOI1127-MS1	Matrix Spike	ND	19.776	20.000	ug/L		98.9	32 - 140	V11
		BOI1127-MSD1	Matrix Spike Duplicate	ND	20.286	20.000	ug/L		101	32 - 140	V11



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits	
										Percent Recovery	RPD
Benzene	BOI1186	BOI1186-BS1	LCS	25.830	25.000	0.50	ug/L	103		70 - 130	
Toluene	BOI1186	BOI1186-BS1	LCS	25.340	25.000	0.50	ug/L	101		70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BOI1186	BOI1186-BS1	LCS	10.240	10.000		ug/L	102		76 - 114	
Toluene-d8 (Surrogate)	BOI1186	BOI1186-BS1	LCS	10.010	10.000		ug/L	100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BOI1186	BOI1186-BS1	LCS	10.330	10.000		ug/L	103		86 - 115	

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery		RPD	Lab Quals
								Recovery	RPD		
Diesel Range Organics (C12 - C24)	BO1127	BO1127-BS1	LCS	563.34	500.00	200	ug/L	113	39 - 97		L01
Tetracosane (Surrogate)	BO1127	BO1127-BS1	LCS	21.177	20.000		ug/L	106	38 - 117		V11



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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Volatile Organic Analysis (EPA Method 8260) Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.12	
1,2-Dibromoethane	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.25	
Ethylbenzene	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.13	
Methyl t-butyl ether	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.15	
Toluene	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.15	
Total Xylenes	BOI1186	BOI1186-BLK1	ND	ug/L	1.0	0.40	
t-Amyl Methyl ether	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.31	
t-Butyl alcohol	BOI1186	BOI1186-BLK1	ND	ug/L	10	10	
Diisopropyl ether	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.25	
Ethanol	BOI1186	BOI1186-BLK1	ND	ug/L	1000	110	
Ethyl t-butyl ether	BOI1186	BOI1186-BLK1	ND	ug/L	0.50	0.27	
Total Purgeable Petroleum Hydrocarbons	BOI1186	BOI1186-BLK1	ND	ug/L	50	23	
1,2-Dichloroethane-d4 (Surrogate)	BOI1186	BOI1186-BLK1	107	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BOI1186	BOI1186-BLK1	103	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BOI1186	BOI1186-BLK1	104	%	86 - 115 (LCL - UCL)		



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Total Petroleum Hydrocarbons Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Diesel Range Organics (C12 - C24)	BOI1127	BOI1127-BLK1	ND	ug/L	200	66	
Tetracosane (Surrogate)	BOI1127	BOI1127-BLK1	95.0	%	32 - 140 (LCL - UCL)		V11



BC Laboratories, Inc

TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 5105
Project Number: [none]
Project Manager: Anju Farfan

Reported: 10/05/05 08:35

Notes and Definitions

- V11 The Continuing Calibration Verification (CCV) recovery is not within established control limits.
- S09 The surrogate recovery on the sample for this compound was not within the control limits
- L01 The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits
- J Estimated value
- A53 Chromatogram not typical of gasoline.
- A20 Surrogate is low due to matrix interference. Interference verified through second extraction/analysis.
- A01 PQL's and MDL's are raised due to sample dilution.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Submission #: 05-9536

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery
BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None
Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals: Ice Chest Containers None Comments:
Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received
 YES NO

Ice Chest ID: B/W
Temperature: 1.6 °C
Thermometer ID: 48

Emissivity: .97
Container: VOA

Date/Time: 9/26 2130
Analyst Init: PRM

SAMPLE CONTAINERS

SAMPLE NUMBERS

Table with 11 columns (Sample Containers, 1-10) and rows for various sample types like QT GENERAL MINERAL, PT PE UNPRESERVED, etc.

A.3. A.3. A.3. A.3. A.3. A.3. A.3. A.3. A.3.

Comments:

Sample Numbering Completed By: PRM Date/Time: 9/27 0230

Submission #: 05-9536

Project Code:

TB Batch #

SHIPPING INFORMATION

Federal Express UPS Hand Delivery BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER

Ice Chest None Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments:

Custody Seals: Ice Chest Containers None Comments:

Intact? Yes No

Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received

YES NO

Ice Chest ID: B/W
Temperature: 1.8 °C
Thermometer ID: 48

Emissivity: .97
Container: VOA

Date/Time: 9/26 2:30

Analyst Init: AKH

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PTA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M		B	B					B		
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: Sample Numbering Completed By: AKH Date/Time: 9/27 0:30

Submission #: 05-9536 Project Code: _____ TB Batch # _____

SHIPPING INFORMATION
 Federal Express UPS Hand Delivery
 BC Lab Field Service Other (Specify) _____

SHIPPING CONTAINER
 Ice Chest None
 Box Other (Specify) _____

Refrigerant: Ice Blue Ice None Other Comments: _____

Custody Seals: Ice Chest Containers None Comments: _____
 Intact? Yes No Intact? Yes No

All samples received? Yes No All samples containers intact? Yes No Description(s) match COC? Yes No

COC Received YES NO
 Ice Chest ID: R/W Emissivity: 1
 Temperature: 4.4 °C Container: prpe
 Thermometer ID: 48 Date/Time: 9/26 2/30
 Analyst Init: ARM

SAMPLE CONTAINERS | **SAMPLE NUMBERS**

	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
Pta PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M	B			B	B	B	B		B	
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: _____
 Sample Numbering Completed By: ARM Date/Time: 9/22 0032



Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE BCL QUOTE ID:

36578

Analysis Requested

Report To: TRC Project #: 410500011920

Client: Rayn Frazier Project Name: Conoco Phillips

Street Address: 21 Technology Dr. Project Code: 5105

City, State, Zip: Lawrence, OR 97138 Sampler(s): DS-1

Phone: 503-254-2000 Fax: 503-254-2011 Lab w/no # 2479792501

Email Address: a.frazier@conoco.com Global ID # 70609700585

Submittal #: 05-0536 TRANS KASEL

Comments:

TPID by 8215 W
TPID by 8263
BTEX by 8268
BTEX by 8268
BTEX by 8268

Sample #	Description	Date		Time	Sampled	Sampled	Time	Sample Matrix	Turnaround # of work days*	Notes
		Sampled	Sampled							
-1	Mw-8	07/26/05	10:58					X	30	3 hrs w/ HPLC 7 Liters
-2	Mw-9		11:07					X		
-3	Mw-6		11:18					X		
-4	Mw-10		11:25					X		
-5	Mw-11		11:36					X		
-6	Mw-12		11:45					X		
-7	Mw-7		11:56					X		
-8	Mw-3		12:04					X		
-9	Mw-1		12:15					X		

Report Drinking Waters on State Form? Yes No

Send Copy to State of CA? Yes No

Same as above Same as above

Client: Conoco Phillips State: _____ Zip: _____

Address: _____

City: _____ State: _____ Zip: _____

Attn: _____

PO#: _____

Sample Disposal: Return to Client Disposal by lab Archive: _____ Months _____

1. Relinquished By: RF Date: 07/26/05 Time: 1500

2. Relinquished By: RF Date: 07/26/05 Time: 1510

3. Relinquished By: RF Date: 07/26/05 Time: 1750

Special Reporting: QC WIP Raw Data

1. Received By: Refugeurme Date: 07/26/05 Time: 1500

2. Received By: Kepp Dickey Date: 07/26/05 Time: 1510

3. Received By: Kepp Dickey Date: 07/26/05 Time: 1750

BC Laboratories, Inc. - 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

NORTHERN CA

RE: L. Cleaver - Mc. Buffin Bclak

9-26-05 2130

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures - Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R -149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid -phase hydrocarbons was accumulated separately in drums for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.